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ABSTRACT

Members of the Curriculum Materials Committee collect materials available to them prior to each American Vocational Association Meeting. The resulting bibliography contains current, non-commercial materials developed by persons in vocational education in agriculture for use in that field, but of interest beyond the state in which it was developed. Vocational agriculture teachers, agricultural supervisors, and agricultural teacher educators should find it useful. This 1971-72 annotated bibliography presents 169 references classified according to the AGDEX filing system. Subjects covered are: (1) Field Crops, (2) Horticulture, (3) Forestry, (4) Animal Science, (5) Soils, (6) Diseases and Pests, (7) Agricultural Engineering, (8) Agricultural Economics, (9) Agricultural Occupations, and (10) Professional. (AW)

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A DESCRIPTION AND SOURCE LISTING

OF

CURRICULUM MATERIALS

IN

AGRICULTURAL EDUCATION

1971-1972

Prepared by

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FOREWORD

The publication "A Description and Source Listing of Curriculum Materials in Agricultural Education" is published annually by the Curriculum Materials Committee of the Agricultural Education Division of the American Vocational Association. The purpose of the publication is to inform teachers of vocational agriculture, agricultural supervisors, agricultural teacher educators, and other interested persons of current agricultural curriculum materials that are available to them.

The Curriculum Materials Committee collects information concerning available curriculum materials prior to the annual A.V.A. convention. The materials are classified by the committee for the "Source Listing." The criteria used for selecting the information are as follows:

a. The material has been developed by persons engaged in vocational education in agriculture for use primarily in that field.

b. The material has been developed during the past year or is current information that has not previously been listed in the "Source Listing."

c. The material is not being distributed commercially.

d. The material would be of interest and use beyond the boundary of the state in which it is being prepared.

e. The material will be available from its source and/or may be available through the ERIC System.

Some of the materials announced in this "Source Listing" have been included in Abstracts of Instructional Materials in Vocational and Technical Education (AIM). The issues of AIM in which an abstract of the document appears, or will appear, has been noted in this publication. Many of the other items will appear in future issues of AIM.

The materials are classified according to the AGDEX filing system which has been revised by the Curriculum Materials Committee. The AGDEX system is the basis of the organization of this "Source Listing."

It is the wishes of the Committee that this "Source Listing" will prove useful to you in obtaining up-to-date information.

Harlan E. Ridenour, Chairman
Curriculum Materials Committee
Agricultural Education Division
American Vocational Association

TABLE OF CONTENTS

AGDEX FILING SYSTEM - AIM AND ARM 1

AGDEX 100 FIELD CROPS 2

AGDEX 200 HORTICULTURE 4

AGDEX 300 FORESTRY 6

AGDEX 400 ANIMAL SCIENCE 6

AGDEX 500 SOILS 9

AGDEX 600 DISEASES AND PESTS 10

AGDEX 700 AGRICULTURAL ENGINEERING 11

AGDEX 800 AGRICULTURAL ECONOMICS 13

AGDEX 900 AGRICULTURAL OCCUPATIONS 14

AGDEX .10 -.60 PROFESSIONAL 21

AGDEX FILING SYSTEM - AIM and ARM

AGDEX, A SYSTEM FOR CLASSIFYING, INDEXING, AND FILING AGRICULTURE PUBLICATIONS. Howard L. Miller and Ralph J. Woodin, revised 1969. The teachers of vocational agriculture and county extension agents using a broad spectrum of agricultural publications. AGDEX was designed for nationwide use and can be adapted to the agriculture of widely differing areas. AGDEX is published on a nonprofit basis by the American Vocational Association for the Agricultural Education Division as a service to its members. The AGDEX filing system includes a spiral bound filing guide as well as nearly 1,200 color coded, gummed labels. Available from: Publications Department, American Vocational Association, 1510 H Street, N. W., Washington, D. C. 20005. Price: $4.00 per single copy. $3.50 in lots of 50 or more.

AGDEX FILING SYSTEM, INSTALLING AND USING. Ralph J. Woodin and Harlan E. Ridenour, 1969. A series of 29 color slides and script explaining what AGDEX filing will do for you, how the system may be installed, and how to use the filing system. Should be used with teachers and others desiring to learn how to install and use the AGDEX filing system. Available from: Harlan E. Ridenour, Agricultural Education Curriculum Materials Service, Room 201, 2120 Fyffe Road, Columbus, Ohio 43210. Price: $4.50.

ABSTRACTS OF INSTRUCTIONAL MATERIALS IN VOCATIONAL AND TECHNICAL EDUCATION (AIM). Quarterly (Fall, Winter, Spring, Summer). Announces the availability of documents acquired and processed by the ERIC Clearinghouse on Vocational and Technical Education. Includes abstracts of materials typically designed for teacher use or student use in the classroom, and annotations of bibliographies or lists of instructional materials in all vocational areas. AIM will be of particular interest to teachers, curriculum specialists, supervisors, and administrators involved in the use of instructional materials in the teaching-learning setting, or in curriculum development. The publication is organized by service area to assist users in finding a central listing of materials relating to their specific interest (i.e. agricultural education, business and office education, distributive education, etc.).

Subscriptions are available for $11.00 for one year or $18.00 for two years beginning with the Fall 1968 issue or subsequent issues. Send order indicating quarter and year subscription is to begin to: ERIC Clearinghouse on Vocational and Technical Education, The Center for Vocational and Technical Education, The Ohio State University, 1900 Kenny Road, Columbus, Ohio 43210. (Make checks payable to The Center for Vocational and Technical Education).

ABSTRACTS OF RESEARCH AND RELATED MATERIALS IN VOCATIONAL AND TECHNICAL EDUCATION (ARM). Quarterly(Fall, Winter, Spring, Summer). Announces the availability of documents acquired and processed by the ERIC Clearinghouse on Vocational and Technical Education. Includes abstracts of research and other materials which are useful to a wide range of users such as researchers, supervisors, teacher educators, educational specialists, administrators, teachers, and others who have an interest in vocational and technical education. The publication is organized by topics such as administration, evaluation, teaching and learning, facilities and equipment, curriculum, etc. It also includes a vocational service index that provides a central listing of materials relating to specific areas of interest (i.e. agricultural education, business and office education, distributive education, etc.).

Subscriptions are available for $11.00 for one year or $18.00 for two years beginning with the Fall 1968 issue or subsequent issues. Send order indicating quarter and year subscription is to begin to: ERIC Clearinghouse on Vocational and Technical Education, The Center for Vocational and Technical Education, The Ohio State University, 1900 Kenny Road, Columbus, Ohio 43210. (Make checks payable to The Center for Vocational And Technical Education.)

AGDEX 100 FIELD CROPS

1. AN AID TO THE IDENTIFICATION OF 70 CROP AND WEED PLANTS. 1971. AGDEX 100/40. Clarence R. Fridline. Source: Ohio Agricultural Education Curriculum Materials Service, Room 201, 2120 Fyffe Road, Columbus, Ohio 43210. A brief description and illustration of each of the plants that may be used in the classroom or in the field. 36 pages printed. Price: $ .75. Available in quantity from source.

2. IDENTIFYING CHARACTERISTICS OF 70 CROP AND WEED PLANTS. 1971. AGDEX 100/40. Clarence R. Fridline. Source: Ohio Agricultural Education Curriculum Materials Service, Room 201, 2120 Fyffe Road, Columbus, Ohio 43210. A series of 78 color slides and script to accompany the publication, An Aid to the Identification of 70 Crop and Weed Plants. The slides include overall views of plants as well as close-ups of important details. Price: $12.90. Available in quantity from source.

3. FUNDAMENTALS OF PLANT IDENTIFICATION. 1971. AGDEX 100/40. Clarence R. Fridline. Source: Ohio Agricultural Education Curriculum Materials Service, Room 201, 2120 Fyffe Road, Columbus, Ohio 43210. A student study guide designed to familiarize students with the important identifying characteristics of plants. The study guide should be used with the slide series of the same title. 16 pages printed. Price: $ .30. Available in quantity from source.

4. FUNDAMENTALS OF PLANT IDENTIFICATION. 1971. AGDEX 100/40. Clarence R. Fridline. Source: Ohio Agricultural Education Curriculum Materials Service, Room 201, 2120 Fyffe Road, Columbus, Ohio 43210. A series of 15 color slides which illustrate, by means of drawings, the important identifying characteristics of plants. The student study guide of the same name should be used with the slides. Price: $2.60. Available in quantity from source.

5. SEED PRODUCTION OF CORN, SOYBEANS, AND SMALL GRAIN. 1971. AGDEX 100/40. Clarence R. Fridline. Source: Ohio Agricultural Education Curriculum Materials Service, Room 201, 2120 Fyffe Road, Columbus, Ohio 43210. A student study manual which considers the importance of the seed industry, value of using good seed, how plants produce seed, how new crop varieties and hybrids are developed, production of certified seed, and methods used by private companies in producing seed.

6. AGRICULTURAL CHEMICALS - HERBICIDES - Safety-Legal Considerations and Control Practices for Pastures and Peanuts. 1970. AGDEX 100/641. John R. Crunkilton and Gary L. Cockram. Source: Agricultural Education, College of Education, Virginia Polytechnic Institute and State University, Blacksburg, Virginia 24061. A teaching outline for use by teachers. Price: Not for sale. Single copy available only to Head Teacher Educators and State Supervisors as long as supply lasts.

7. AGRICULTURAL CHEMICALS - HERBICIDES - Methods of Weed Control and Control Practices for Forage Crops and Soybeans. 1970. AGDEX 100/641. John R. Crunkilton and Gary L. Cockram. Source: Agricultural Education, College of Education Virginia Polytechnic Institute and State University, Blacksburg, Virginia 24061. A teaching outline for use by teachers. Price: Not for sale. Single copy available only to Head Teacher Educators and State Supervisors as long as supply lasts.

8. AGRICULTURAL CHEMICALS - HERBICIDES - Control Practices for Small Grains, Gardens, and Specialty Areas. 1970. AGDEX 100/641. John R. Crunkilton and Gary L. Cockram. Source: Agricultural Education, College of Education, Virginia Polytechnic Institute and State University, Blacksburg, Virginia 24061. A teaching outline for use by teachers. Price: Not for sale. Single copy available only to Head Teacher Educators and State Supervisors as long as supply lasts.

9. AGRICULTURAL CHEMICALS - HERBICIDES - Selecting Herbicides and Control Practices for Lawns and Turfs, and Tobacco. 1970. AGDEX 100/641. John R. Crunkilton and Gary L. Cockram. Source: Agricultural Education, College of Education, Virginia Polytechnic Institute and State University, Blacksburg, Virginia 24061. A teaching outline for use by teachers. Single copy available only to Head Teacher Educators and State Supervisors as long as supply lasts.

10. GRAIN MARKETING - A SOURCE UNIT FOR ADULT EDUCATION. 1971. AGDEX 110/840. Paul E. Hemp and J. H. Herbst. Source: Vocational Agriculture Service, University of Illinois, 434 Mumford Hall, Urbana, Illinois 61801. This 24-page source unit was designed to accompany a packet of subject matter materials on Grain Marketing. The Problem Area Outline includes: (1) The Marketing of Grain in our Community; (2) Relating the Domestic and Export Markets; (3) Factors That Affect Grain Prices; (4) Grain Standards, Grading, and Discounts; (5) Deciding On Farm Versus Off-Farm Conditioning and Storage; (6) Studying About Futures Markets-- How They Work and How to Use Them; (7) Understanding the Basis; (8) Using Futures Markets to Price Grains; (9) Understanding the Economic Functions of the Futures Markets; and (10) Looking at Trends in Grain Marketing. Price: $ .15 postpaid when payment accompanies order. Available in quantity from source.

11. GRAIN FUTURES TRANSPARENCIES. 1971. AGDEX 110/840. L. F. Stice. Source: Vocational Agriculture Service, University of Illinois, 434 Mumford Hall, Urbana, Illinois 61801. This is a set of 49 transparencies on the Use of the Futures Market by Farmers. The material should help provide some understanding of how futures markets work, as well as how to use them to price grains. Price: $3.16 per set postpaid when payment accompanies order. Available in quantity from source.

12. APPROVED PRACTICES FOR CORN. Revised 1971. AGDEX 111/10. R. L. Courson. Source: Vocational Agriculture Service, University of Illinois, 434 Mumford Hall, Urbana, Illinois 61801. This is a 4-page publication which lists specific practices followed by successful corn producers. It can be used by students carrying out their supervised experience programs involving corn production. Price: $ .05 postpaid when payment accompanies order. Available in quantity from source.

13. CORN "Preparing for Planting and Planting Corn." 1971. AGDEX 111/20. Claude E. Richard. Source: Agricultural Education, College of Education, Virginia Polytechnic Institute and State University, Blacksburg, Virginia 24061. A teaching outline for use by teachers. Price: Not for sale. Single copy available to head teacher educators and supervisors as long as supply lasts.

14. SOUTHERN CORN LEAF BLIGHT. VAS 4051. 1971. AGDEX 111/630. R. L. Courson. Source: Vocational Agriculture Service, University of Illinois, 434 Mumford Hall, Urbana, Illinois 61801. This 12-page subject-matter unit discusses the causes, ways of minimizing risk, how to know what seed to buy, and what research is being done in this area. Price: $ .15 postpaid when payment accompanies order. Available in quantity from source.

15. AGRICULTURAL CHEMICALS - HERBICIDES - Importance of Herbicides and Control Practices for Corn. 1970. John R. Crunkilton and Gary L. Cockram. Source: Agricultural Education, College of Education, Virginia Polytechnic Institute and State University, Blacksburg, Virginia 24061. A teaching outline for use by teachers. Price: Not for sale. Single copy available only to Head Teacher Educators and State Supervisor as long as supply lasts.

16. APPROVED PRACTICES FOR WHEAT. Revised 1971. AGDEX 112/10. R. L. Courson. Source: Vocational Agriculture Service, University of Illinois, 434 Mumford Hall, Urbana, Illinois 61801. This is a 4-page publication which lists specific practices followed by successful wheat producers. It can be used by students in planning and carrying out their supervised experience programs in wheat production. Price: $ .05 postpaid when payment accompanies order. Available in quantity from source.

17. PASTURE PRODUCTION. HS-20. 1970. AGDEX 130. Wilson Glenn Collins. Source: Instructional Materials Laboratory, Room 151, Taylor Education Building, University of Kentucky, Lexington, Kentucky 40506. An instructional unit for teacher use. The unit includes objectives, transparency masters, and content for teacher use in lesson plan development in Pasture Production. Price: 1 copy free on request for State Directors of Agricultural Education.

18. APPROVED PRACTICES FOR SOYBEANS. Revised 1971. AGDEX 141/10. R. L. Courson. Source: Vocational Agriculture Service, University of Illinois, 434 Mumford Hall, Urbana, Illinois 61801. This is a 4-page publication which can be used by students in planning and carrying out their supervised experience programs involving soybean production. A few of the major headings are: Testing the Soil and Applying Fertilizer; Selecting Seed; Planting; Cultivating; Controlling Insects; and Harvesting and Storing. Price: $ .05 postpaid when payment accompanies order. Available in quantity from source.

AGDEX 200 HORTICULTURE

19. VOCATIONAL HORTICULTURE RECORD. 1971. AGDEX 200. Kenneth A. Parker and Ralph J. Woodin. Source: Ohio Agricultural Education Curriculum Materials Service, Room 201, 2120 Fyffe Road, Columbus, Ohio 43210. The record book provides space for the student to plan the occupational experience program, to keep records of the school laboratory experience, improvement projects, and the occupational work experience program. 20 pages printed. Price: $ .35. Available in quantity from source.

20. SUPPLEMENT TO VOCATIONAL HORTICULTURE RECORD. 1971. AGDEX 200. Kenneth A. Parker and Ralph J. Woodin. Source: Ohio Agricultural Education Curriculum Materials Service, Room 201, 2120 Fyffe Road, Columbus, Ohio 43210. The supplement is for use by students with more than one occupational experience program. It is a duplication of the pages used to record the occupational work experience program. 12 pages printed. Price: $ .30. Available in quantity from source.

21. COOPERATIVE TRAINING AGREEMENT. 1971. AGDEX 200. Kenneth A. Parker and Ralph J. Woodin. Source: Ohio Agricultural Education Curriculum Materials Service, Room 201, 2120 Fyffe Road, Columbus, Ohio 43210. A duplication of the Cooperative Training Agreement included in the Vocational Horticulture Record. The purpose of the extra forms is to enable the student to provide his parents and employer with copies of the training agreement. Price: $ .05. Available in quantity from source.

22. GREENHOUSE - USES AND DESIGN, Slidefilm 680. 1971. AGDEX 200/15. C. K. Darrow. Source: Vocational Agriculture Service, University of Illinois, 434 Mumford Hall, Urbana, Illinois 61801. This is a color, single-frame slidefilm of 44 frames. It discusses things to consider before building a greenhouse. Price: $2.90 postpaid when payment accompanies the order. Available in quantity from source.

23. CONSTRUCTING GREENHOUSES FOR VOCATIONAL AGRICULTURE PROGRAMS IN ARIZONA. 1971. AGDEX 200/731. Staff. Source: Department of Agricultural Education, University of Arizona, Tucson, Arizona. Available in limited quantity from source.

24. COURSE OF STUDY - ORNAMENTAL HORTICULTURE. 1971. AGDEX 270. Listing of units grouped as Mechanics, Propagating Plants, Landscape Design, etc. Price: Free. Available in limited quantity from source.

25. OUTLINES OF COURSES IN ORNAMENTAL HORTICULTURE, Teacher Education Series, Vol. 12. No. 1t. 1971. AGDEX 270. R. L. Richards, D. R. McClay, and R. F. Stinson. Source: Department of Agricultural Education, The Pennsylvania State University, University Park, Pennsylvania. Provides outlines for high school or vo-tech school courses in ornamental horticulture. Includes the areas of retail flower shop, turfgrass management and establishment, garden store operation, nursery production, landscape maintenance and design, aboriculture, and greenhouse crop production. Price: $1.00. Available in quantity from source.

26. FACILITIES FOR ORNAMENTAL HORTICULTURE, Teacher Education Series, Vol. 12, No. 3t. 1971. AGDEX 270. D. R. McClay, and R. F. Stinson. Source: Department of Agricultural Education, The Pennsylvania State University, University Park, Pennsylvania. Contains specifications for facilities for teaching ornamental horticulture. Includes layouts and drawings of facilities. Price: $1.50. Available in quantity from source.

27. ORNAMENTAL HORTICULTURE I AND II. 1971. AGDEX 270. R. J. Mercer, Travis E. Hendren, and Teachers. Source: Division of Occupational Education, State Department of Public Instruction, Raleigh, North Carolina. A Teacher's Guide for instructional units including specifications for program. Available in limited quantity from source.

28. BALLING AND BURLAPPING TREES AND SHRUBS, Slidefilm 641. 1971. AGDEX 270/20. C. K. Darrow. Source: Vocational Agriculture Service, University of Illinois, 434 Mumford Hall, Urbana, Illinois 61801. This is a color, single-frame slidefilm of 65 frames. It illustrates the various methods of hand and mechanical digging and balling of trees and shrubs, and the proper handling of nursery stock that is necessary for a quality product. Price: $3.60 postpaid when payment accompanies order. Available in quantity from source.

29. TREE AND SHRUB INSECTS AND THEIR CONTROL. VAS 5005a. Revised 1971. AGDEX 270/620. R. L. Courson. Source: Vocational Agriculture Service, University of Illinois, 434 Mumford Hall, Urbana, Illinois 61801. This 36-page subject-matter unit discusses facts about, descriptions of, and control measures for insects that attack trees and shrubs. It contains 54 photographs showing insects or their damage. Price: $ .45 postpaid when payment accompanies order. Available in quantity from source.

30. STARTING THE HOME LANDSCAPE. HS-82T (Transparency Supplement). 1970. AGDEX 271. Wilson Glenn Collins. Source: Instructional Materials Laboratory, Room 151, Taylor Education Building, University of Kentucky, Lexington, Kentucky 40506. A series of overhead projector transparency masters keyed for use with the HS-82 unit. Price: 1 copy free on request for State Directors of Agriculture Education.

31. PLANNING THE HOME LANDSCAPE. HS-81T (Transparency Supplement). 1970. AGDEX 271. Wilson Glenn Collins. Source: Instructional Materials Laboratory, Room 151, Taylor Education Building, University of Kentucky, Lexington, Kentucky 40506. A series of overhead projector transparency masters keyed for use with the HS-81 unit. Price: 1 copy free on request for State Directors of Agricultural Education.

32. MAINTAINING THE HOME LANDSCAPE. HS-83T (Transparency Supplement). 1970. AGDEX 271. Wilson Glenn Collins. Source: Instructional Materials Laboratory,

Room 151, Taylor Education Building, University of Kentucky, Lexington, Kentucky 40506. A series of overhead projector transparency masters keyed for use with the HS-83 unit. Price: 1 copy free on request for State Directors of Agricultural Education.

33. LANDSCAPING THE HOME AND SCHOOL GROUNDS, Student Manual. 1970. AGDEX 271. R. T. Benson, and others. Source: Vocational Education Media Center, Clemson University, Clemson, South Carolina 29631. Publications cover major areas of Planning for Landscape Improvement, Plant Propagation, Establishing and Maintaining Shrubs and Establishing and Maintaining Lawns. Price: $1.25. Available in quantity from source.

34. LANDSCAPING THE HOME AND SCHOOL GROUNDS, 1970. AGDEX 271. R. T. Benson, and others. Source: Vocational Education Media Center, Clemson University, Clemson, South Carolina 29631. Set of 40 transparencies. These transparencies are for use with student manual of the same title. Price: $5.00. Available in quantity from source.

35. POINSETTIA. 1971. AGDEX 282. Karle Lucal. Source: Ohio Agricultural Education Curriculum Materials Service, Room 201, 2120 Fyffe Road, Columbus, Ohio 43210. A series of 43 color slides and illustrated script. The following sections are included: Sex of the Flower, Varieties, Propagation, Potting, Photoperiodism, and Commercial Production. Price: $7.30. Available in quantity from source.

36. GROWING LILIES. VAS 5014. 1971. AGDEX 282/20. R. L. Courson. Source: Vocational Agriculture Service, University of Illinois, 434 Mumford Hall, Urbana, Illinois 61801. This 20-page subject-matter unit discusses the following questions: (1) How are Lilies Propagated? (2) How Do I Time Lilies for Easter? (3) How Do I Care for My Easter Lily? and (4) How Do I Grow Garden Lilies? Price: $ .25 postpaid when payment accompanies order. Available in quantity from source.

AGDEX 300 FORESTRY

37. PRODUCTS FROM OUR FORESTS: THEIR MANUFACTURE AND USE. Student Handbook, Teacher Education Series, Vol. 12, No. 5s. 1971. AGDEX 300/80. J. Mortensen, and N. K. Hoover. Source: Department of Agricultural Education. The Pennsylvania State University, University Park, Pennsylvania. Student reading material on forest products to be used in forestry programs in high school or vo-tech schools. Contains current subject matter on forest products. Available in quantity from source.

38. PRODUCTS FROM OUR FORESTS: THEIR MANUFACTURE AND USE. Teacher's Manual, Teacher Education Series, Vol. 12, No. 5t. 1971. AGDEX 300/80. J. Mortensen and N. K. Hoover. Source: Department of Agricultural Education, The Pennsylvania State University, University Park, Pennsylvania. Available in quantity from source.

AGDEX 400 ANIMAL SCIENCE

39. SELECTED REFERENCES AND AIDS FOR TEACHING ANIMAL SCIENCE. 1971. AGDEX 400. Larry E. Miller. Source: Vocational Instructional Materials Bureau, Indiana State University, Terra Haute, Indiana 47809. This publication is divided into six major areas by class of livestock. Materials listed in each area have been separated into four categories: (1) Bulletins and Circulars, (2) Textbooks, (3) Films, Filmstrips, ans Slides, (4) Commercial materials (literature, charts, aids, etc.) These references and teaching aids have been selected with one major purpose in mind -- that of helping

the teacher to quickly identify useful reference material in teaching animal science. Price: No charge. Available in limited quantity from source.

40. ADVANCED LIVESTOCK PRODUCTION: A COURSE OF STUDY. 1971. AGDEX 400. Larry E. Miller. Source: Vocational Instructional Materials Bureau, Indiana State University, Terra Haute, Indiana 47809. A compilation of teaching plans and teaching aids to teach advanced livestock production; subdivided into modules of livestock selection, livestock breeding, and livestock nutrition. A scientific approach geared to junior and senior level. The lesson plans include reference material, teaching outline, and teaching activities that might be used with the lesson. Price: No charge. Available in limited quantity from source.

41. CATFISH FARMING. 1971. AGDEX 400. Jasper S. Lee. Source: Curriculum Coordinating Unit, P. O. Drawer DX, State College, Mississippi 39762. A reference unit covering all aspects of catfish culture. Price: $2.00 (out of state). Available in limited quantity from source.

42. LIVESTOCK BREEDING TRANSPARENCIES AND MASTERS. 1971. AGDEX 400/30. Roger Roediger. Source: Ohio Agricultural Education Curriculum Materials Service, Room 201, 2120 Fyffe Road, Columbus, Ohio 43210. A series of 37 transparencies which are ready for use with the overhead projector. The series is designed to accompany the book, Livestock Breeding, available from the same source. Master sheets with the illustration on one side and a description and page reference to the book mentioned above are included with the set. Price: $5.50. Available in quantity from source.

43. ARTIFICIALLY INSEMINATING LIVESTOCK. VAS 1002b. Revised 1972. AGDEX 400/36. J. R. Lodge and W. H. Witt. Source: Vocational Agriculture Service, University of Illinois, 434 Mumford Hall, Urbana, Illinois 61801. This 8-page subject-matter unit illustrates and discusses the reproductive parts of the male and female and the operation of inseminating livestock. Price: $ .10 postpaid when payment accompanies order. Available in quantity from source.

44. IDENTIFICATION OF KINDS OF MEAT, Slidefilm 181A. 1972. AGDEX 400/840. W. H. Witt. Source: Vocational Agriculture Service, University of Illinois, 434 Mumford Hall, Urbana, Illinois 61801. This is a color, single-frame slidefilm of 33 frames. It illustrates and discusses ways of determining whether meat is beef, pork, veal, or lamb. Price: $2.55 postpaid when payment accompanies order. Available in quantity from source.

45. BREEDS OF DAIRY CATTLE, Slidefilm 210. 1972. AGDEX 410/30. W. H. Witt. Source: Vocational Agriculture Service, University of Illinois, 434 Mumford Hall, Urbana, Illinois 61801. This is a color, single-frame slidefilm of 35 frames. It illustrates and discusses the six common dairy breeds of this country. Price: $2.65 postpaid when payment accompanies order. Available in quantity from source.

46. CLIPPING AND TRIMMING DAIRY CATTLE, Slidefilm 209. 1972. AGDEX 410/47. W. H. Witt. Source: Vocational Agriculture Service, University of Illinois, 434 Mumford Hall, Urbana, Illinois 61801. This is a color, single-frame slidefilm of 34 frames. It illustrates the step by step operation of clipping dairy cattle. Price: $2.60 postpaid when payment accompanies order. Available in quantity from source.

47. MILK MARKETING FOR PENNSYLVANIA DAIRYMEN. Student Handbook. Teacher Education Series, Vol. 12, No. 2s. 1971. AGDEX 410/840. R. G. Campbell and S. M. Curtis. Source: Department of Agricultural Education, The Pennsylvania State University, University Park, Pennsylvania. Provides student reading material in dairy production

trends, dairy products, milk quality, and federal and state regulation. Suitable for use with high school seniors and adults. Price: $1.25. Available in quantity from source.

48. MILK MARKETING FOR PENNSYLVANIA DAIRYMEN, Teacher's Manual. Teacher Education Series, Vol. 12, No. 2t. 1971. AGDEX 410/840. R. G. Campbell and S. M. Curtis. Source: Department of Agricultural Education, The Pennsylvania State University, University Park, Pennsylvania. Teachers guide to be used with student manual. Contains behavioral objectives, references, suggestions, problems, and list of visual aids. Price: $1.00. Available in quantity from source.

49. ADVANCED LIVESTOCK PRODUCTION UNITS ABOUT: BEEF COW AND CALF MANAGEMENT, MANAGING STOCKERS AND FEEDERS, AND FINISHING BEEF ANIMALS FOR MARKET. 1972. AGDEX 420. Bob R. Stewart and William Richardson. Source: Instructional Materials Laboratory, Room 8, Industrial Education Bldg., Columbia, Missouri 65201. Materials designed for teacher use which includes transparency masters and student handouts. Units on managing the cow herd, managing stockers and feeders, and finishing beef animals for market are included in these materials. Price: To be announced. Available in quantity from source.

50. TEACHING OUTLINE ON "SELECTING AND BUYING BEEF CATTLE." 1971. AGDEX 420. B. C. Bass. Source: Agricultural Education, Department of Education, Virginia Polytechnic Institute and State University, Blacksburg, Virginia 24061. A teaching outline for use by teachers. Price: Not for sale. Single copy only available to Agricultural Education Teacher Educators and Supervisors as long as limited supply lasts.

51. TEACHING OUTLINE ON "FEEDING AND CARING FOR GROWING AND FINISHING BEEF ANIMALS." 1971. AGDEX 420/50. B. C. Bass. Source: Agricultural Education Department of Education, Virginia Polytechnic Institute and State University, Blacksburg, Virginia 24061. A teaching outline for use by teachers. Price: Not for sale. Single copy only available to Agricultural Education Teacher Educators and supervisors as long as limited supply lasts.

52. IDENTIFICATION OF BEEF CUTS, Slidefilm 183A. 1972. AGDEX 420/840. W. H. Witt. Source: Vocational Agriculture Service, University of Illinois, 434 Mumford Hall, Urbana, Illinois 61801. This is a color, single-frame slidefilm of 96 frames. It shows the wholesale beef cuts divided into their respective retail cuts. Then it illustrates and discusses means of identifying the retail cuts. At the end of the film, most of the retail cuts are shown again for practice in identification. Price: $4.55 postpaid when payment accompanies order. Available in quantity from source.

53. SOURCE UNIT IN SHEEP PRODUCTION. 1971. AGDEX 430. Byron Ulery. Source: Vocational Education Department, Colorado State University, Ft. Collins, Colorado 80521. A teacher's guide to teaching sheep production with study guides and analysis. Price: $1.00. Available in limited quantity from source.

54. IDENTIFICATION OF LAMB CUTS, Slidefilm 185A. 1972. AGDEX 430/840. W. H. Witt. Source: Vocational Agriculture Service, University of Illinois, 434 Mumford Hall, Urbana, Illinois 61801. This is a color, single-frame slidefilm of 48 frames. It shows the wholesale lamb cuts divided into their respective retail cuts. Then it illustrates and discusses means of identifying the retail cuts. At the end of the film, most of the retail cuts are shown again for practice in identification. Price: $3.05 postpaid when payment accompanies order. Available in quantity from source.

55. ADVANCED LIVESTOCK UNITS ABOUT: FEEDER PIG PRODUCTION, FINISHING MARKET HOGS, AND PRODUCING (SWINE) BREEDING STOCK. 1971. AGDEX 440. Bob R. Stewart and William Jowell. Source: Instructional Materials Lab, Room 8, Industrial Education Bodg., Columbia, Missouri 65201. Materials designed for teacher use which includes transparency masters and student handouts. The units on feeder pig production, finishing hogs for market, and producing swine breeding animals are included in these materials. Price: $1.50 plus postage and handling. Available in quantity from source.

56. IDENTIFICATION OF PORK CUTS, Slidefilm 182A. 1972. AGDEX 440/840. W. H. Witt. Source: Vocational Agriculture Service, University of Illinois, 434 Mumford Hall, Urbana, Illinois 61801. This is a color, single-frame slidefilm of 81 frames. It shows the wholesale pork cuts divided into their respective retail cuts. Then it illustrates and discusses means of identifying the retail cuts. At the end of the film, most of the retail cuts are shown again for practice in identification. Price: $4.10 postpaid when payment accompanies order. Available in quantity from source.

57. POULTRY JUDGING. 1970. AGDEX 450. Emil Malinovsky. Source: Ohio Agricultural Education Curriculum Materials Service, Room 201, 2120 Fyffe Road, Columbus, Ohio 43210. Poultry judging. Contests are described, procedures for preparing a poultry team are discussed, the characteristics of poultry and eggs are described, and the terms used in working with poultry are listed. Price: $ .35. Available in quantity from source.

58. SOURCE UNIT IN HORSE PRODUCTION. 1971. AGDEX 460. Dallas C. Talkington. Source: Vocational Education Department, Colorado State University, Ft. Collins, Colorado 80521. A teacher's guide to teaching horse production with study guides and analysis. Price: $1.00. Available in limited quantity from source.

AGDEX 500 SOILS

59. SOIL AND ITS PROPERTIES. 1971. AGDEX 500. Wesley E. Budke and Samuel W. Bone. Source: Ohio Agricultural Education Curriculum Materials Service, Room 201, 2120 Fyffe Road, Columbus, Ohio 43210. A series of 64 color slides and illustrated script. The following sections are included. Introduction, soil horizons, soil color and drainage, soil texture, soil structure, and soil moisture. Price: $10.75. Available in quantity from source.

60. SOURCE UNIT IN SOILS. 1971. AGDEX 500. Allen H. Nelson. Source: Vocational Education Department, Colorado State University, Ft. Collins, Colorado 80521. A teacher's guide of teaching soils with study guides and analysis. Price: $1.00. Available in limited quantity from source.

61. SOILS "UNDERSTANDING THE NATURE AND IMPORTANCE OF SOIL." 1970. AGDEX 500. Claude E. Richard. Source: Agricultural Education, College of Education, Virginia Polytechnic Institute and State University, Blacksburg, Virginia 24061. A teaching outline for use by teacher. Price: Not for sale. Single copies available for Head Teacher Educators and State Supervisors as long as supply lasts.

62. SOIL SCIENCE TRANSPARENCIES. 1971. AGDEX 500. R. L. Courson. Source: Vocational Agriculture Service, University of Illinois, 434 Mumford Hall, Urbana, Illinois 61801. This is a set of 32 transparencies (8 1/2" x 11") printed on .003" Trycite plastic. It discusses the origin, formation, structure, and texture of soils. The set also includes a white paper copy of each transparency for use in preparing duplicate copies and some text on the back for teacher use. Each set is contained in a manila pocket

folder for filing. Price: $1.70 postpaid when payment accompanies the order. Available in quantity from source.

63. SOILS "PREPARING THE SOIL FOR PLANTING." 1970. AGDEX 510. Claude E. Richard. Source: Agricultural Education, College of Education, Virginia Polytechnic Institute and State University, Blacksburg, Virginia 24061. A teaching outline for use by teachers. Price: Not for sale. Single copies available for Head Teacher Educators and State Supervisors as long as supply lasts.

64. SOILS "DETERMINING LAND CAPABILITY CLASSES." 1970. AGDEX 520. Claude E. Richard. Source: Agricultural Education, College of Education, Virginia Polytechnic Institute and State University, Blacksburg, Virginia 24061. A teaching outline for use by teachers. Price: Not for sale. Single copies available for Head Teacher Educators and State Supervisors as long as supply lasts.

65. LIMING ACID SOILS. 1971. AGDEX 534. Roy H. Follett, Department of Agronomy, The Ohio State University. Source: Ohio Agricultural Education Curriculum Materials Service, Room 201, 2120 Fyffe Road, Columbus, Ohio 43210. A series of 116 color slides and illustrated script. The series is divided into the following sections: Introduction, Why Treat Acid Soils? Why Relime, Soil Testing, How to Evaluate Agricultural Liming Materials, Where Does Limestone Come From? How to Apply, When to Apply, and Conclusion. Price: $20.00. Available in quantity from source.

66. SOILS "DEVELOPING A SOIL AND WATER CONSERVATION PLAN." 1970. AGDEX 570. Claude E. Richard. Source: Agricultural Education, College of Education, Virginia Polytechnic Institute and State University, Blacksburg, Virginia 24061. A teaching outline for use by teachers. Price: Not for sale. Single copies available for Head Teacher Educators and State Supervisors as long as supply lasts.

AGDEX 600 DISEASES AND PESTS

67. IDENTIFICATION OF WEED SEEDLINGS, GRASSES, Slidefilm 803. 1971. AGDEX 640. R. L. Courson and M. D. McGlamery. Source: Vocational Agriculture Service. University of Illinois, 434 Mumford Hall, Urbana, Illinois 61801. This is a color, single-frame slidefilm of 45 frames. It discusses identifying characteristics of emerging seedlings and also shows the mature plants. Ten common weeds are shown. Price: $2.85 postpaid when payment accompanies order. Available in quantity from source.

68. AGRICULTURAL CHEMICALS - HERBICIDES - Herbicide Application Equipment. 1970. John R. Crunkilton and Gary L. Cockram. Source: Agricultural Education, College of Education, Virginia Polytechnic Institute and State University, Blacksburg, Virginia 24061. A teaching outline for use by teachers. Price: Not for sale. Single copy available only to Head Teacher Educators and State Supervisors as long as supply lasts.

69. WEED CONTROL TRANSPARENCIES. 1971. AGDEX 641. R. L. Courson. Source: Vocational Agriculture Service, University of Illinois, 434 Mumford Hall, Urbana, Illinois 61801. This is a set of 45 transparencies (8 1/2" x 11") printed on .003" Trycite plastic for use on an overhead projector. It discusses the various herbicides that are used to control weeds in corn and soybeans. The set also includes a white paper copy of each transparency for use in preparing duplicate copies and some text on the back for teacher use. Each set is contained in a manila pocket folder for filing. Price: $2.91 postpaid when payment accompanies order. Available in quantity from source.

70. IDENTIFICATION AND CONTROL OF POISON IVY, Slidefilm 809. 1971. AGDEX 641. E. L. Knake and R. Courson. Source: Vocational Agriculture Service, University of Illinois, 434 Mumford Hall, Urbana, Illinois 61801. This is a color, single-frame slidefilm of 42 frames. It discusses the identifying characteristics of the plant and shows various methods of control. Price: $2.85 postpaid when payment accompanies order. Available in quantity from source.

AGDEX 700 AGRICULTURAL ENGINEERING

71. AGRICULTURAL MECHANICS I AND II. 1971. AGDEX 700. R. J. Mercer, C. V. Tart and teachers. Source: Division of Occuaptional Education, State Department of Public Instruction, Raleigh, North Carolina. A teacher's guide of instructional units including program specifications. Available in limited quantity from source.

72. APPLYING ASPHALT ROOFING AND SIDING PRODUCTS. VAS 3035. 1971. AGDEX 714. R. F. Espenschied. Source: Vocational Agricultural Service, University of Illinois, 434 Mumford Hall, Urbana, Illinois 61801. This 24-page subject-matter unit lists the asphalt products available for roofing and siding, and illustrates how to calculate the amount of roofing needed for various styles of roofs. Techniques for preparing the deck and applying strip shingles, individual shingles, and roll roofing are discussed. Price: $ .30 postpaid when payment accompanies order. Available in quantity from source.

73. ASPHALT ROOFING TRANSPARENCIES. 1971. AGDEX 714. R. F. Espenschied. Source: Vocational Agriculture Service, University of Illinois, 434 Mumford Hall, Urbana, Illinois 61801. This is a set of 76 transparencies, (8 1/2" x 11") and printed on .003" Trycite. The illustrations show the preparation of the deck, and application of roofing in valleys, around chimneys and soil stacks, and the application of roll roofing. The transparencies are printed in color and there is a white paper copy of each transparency that can be used in preparing duplicate copies. The back of the paper copy contains information about the illustration that can be used by instructors as well as students. Price: $4.85 postpaid when payment accompanies order. Available in quantity from source.

74. SKILL SHEETS FOR AGRICULTURAL MACHINERY. 1972. AGDEX 740. Thomas A. Hoerner. Source: Thomas A. Hoerner, Agricultural Engineering Department, Iowa State University, Ames, Iowa 50010. This set contains 30 skill sheets for use in developing individual skills in the agricultural machinery area. Each skill sheet deals with one specific skill or concept and contains part identification procedures, abilities and understandings taught and an evaluation score sheet. Price: $2.00, payable to Agr. Engr. Dept., ISU - postpaid when payment accompanies order. Available in quantity from source.

75. AGRICULTURAL MACHINERY TRANSPARENCY MASTERS. 1971. AGDEX 740. Thomas A. Hoerner. Source: Thomas A. Hoerner, Agricultural Engineering Department, Iowa State University, Ames, Iowa 50010. This set includes 43 transparency masters on agricultural machinery including plows, corn planters, grain drills, sprayers, mowers, combines and the corn head. Price: $3.00, payable to Agr. Engr. Dept., ISU - postpaid when payment accompanies order. Available in quantity from source.

76. PLOWS AND PLOWING STUDENT WORKBOOK AND TEACHER RESOURCE UNIT. 1971. AGDEX 741. Robert Bollesen, Ronald Sommers, and W. Forrest Bear, Little Falls and Faribult, Minnesota, Vo. Ag. Instructors & Prof. University of Minnesota, respectively. Source: Bulletin Room, University of Minnesota, St. Paul, Minnesota.

A student workbook keyed to the Plows and Plowing text manual published by the Ohio Agricultural Education Curriculum Materials Service, The Ohio State University, Columbus, Ohio 43210. For use with High School Vocational Agriculture students and Vo. Tech. students. Price: 1 Teacher Resource Unit and 15 Student Workbooks, $11.50. Available in quantity from source.

77. PLOWS AND PLOWING TRANSPARENCIES AND MASTERS. 1970. AGDEX 741. Harlan E. Ridenour. Source: Ohio Agricultural Education Curriculum Materials Service, Room 201, 2120 Fyffe Road, Columbus, Ohio 43210. A series of 39 transparencies which are ready for use with the overhead projector. The series is designed to accompany the book, Plows and Plowing available from the same source. Master sheets with the illustration on one side and a description and page reference to the above book are included in the set. Price: $6.75. Available in quantity from source.

78. TRANSPARENCY MASTERS FOR TRACTOR SAFETY. 1971. AGDEX 762. Source: Agricultural and Extension Education Department, University of Florida, 186 Norman Hall, Gainesville, Florida 32601. Transparency Masters. Available in limited quantity from source.

79. TRANSPARENCY MASTERS FOR ENGINE ANALYSIS. 1971. AGDEX 763. Source: Agricultural and Extension Education Department, University of Florida, 186 Norman Hall, Gainesville, Florida 32601. Transparency Masters. Available in limited quantity from source.

80. SOURCE UNIT IN TRACTOR MAINTENANCE. 1971. AGDEX 763. Gale Seibert. Source: Voc. Ed. Department, Colorado State University, Ft. Collins, Colorado 80521. A teacher's guide to teaching tractor maintenance with study guides and analysis. Price: $1.00. Available in limited quantity from source.

81. ELECTRIC CONTROLS WORKSHEETS. 1971. AGDEX 770. W. Forrest Bear. Source: Bulletin Room, University of Minnesota, St. Paul, Minnesota. 14 worksheets in a set. Price: 25 sheets per pad for $ .75. Available in quantity from source.

82. ELECTRICAL WIRING TRANSPARENCIES. 1971. AGDEX 772. J. W. Matthews. Source: Vocational Agriculture Service, University of Illinois, 434 Mumford Hall, Urbana, Illinois 61801. This is a set of 52 transparencies (8 1/2" x 11") printed on .003" Trycite plastic. It covers a series of 48 electrical wiring exercises, showing a pictorial drawing and a schematic diagram of each. The set also includes a white paper copy of each transparency with supplementary information printed on the back. The set is contained in a manila pocket folder for filing. Price: $3.35 postpaid when payment accompanies order. Available in quantity from source.

83. TECHNIQUES FOR CONDUCTING A SUCCESSFUL AGRICULTURAL SHOP PROGRAM, PM-15. 1970. AGDEX 780. John R. Crunkilton. Source: Agricultural Education, College of Education, Virginia Polytechnic Institute and State University, Blacksburg, Virginia 24061. Selected management techniques which teachers should use in conducting agricultural shop instructional programs. Price: Not for sale. Single copy available to Head Teacher Educators and State Supervisors as long as supply lasts.

84. HOW TO BUILD A BARREL BARBECUE, Plan No. 10. 1971. AGDEX 781. Curtis R. Weston, Vincil Warren, and Glen C. Shinn. Source: Instructional Materials Laboratory, Room 8, Industrial Education Bldg., Columbia, Missouri 65201. A guide and general plan for construction of a barrel barbecue. Price: $ .35 plus postage and handling. Available in quantity from source.

85. HOW TO BUILD A HEAVY DUTY TRUCK BUMPER, Plan No. 12. 1971. AGDEX 781. Richard E. Linhardt and Kenneth Lockridge. Source: Instructional Materials Laboratory, Room 8, Industrial Education Bldg., Columbia, Missouri 65201. A listing of materials and plan for constructing a truck bumper. Price: $ .25 plus postage and handling. Available in quantity from source.

86. HOW TO BUILD AN ALL-PURPOSE WAGON BOX, Plan No. 9. 1971. AGDEX 781. Curtis R. Weston, Richard Linhardt, Marion Kimmons, Dale Pontius. Source: Instructional Materials Laboratory, Room 8, Industrial Education Bldg., Columbia, Missouri 65201. A listing of materials and a plan for building an all-purpose wagon box. Price: $ .50 plus postage and handling. Available in quantity from source.

87. HOW TO BUILD A WAGON CHASIS. 1971. AGDEX 781. Curtis R. Weston, et al. Source: Instructional Materials Laboratory, Room 8, Industrial Education Bldg., Columbia, Missouri 65201. A detailed plan for constructing a wagon chasis with suggested modifications for three different styles of chasis. Price: $ .65 plus postage and handling. Available in quantity from source.

88. PORTABLE ENGINE HOIST SHOP MADE HYDRAULIC ACTION. 1971. AGDEX 781. Edwin Strong. Source: Collegiate chapter of FFA, Dept. of Agricultural Education, University of Idaho, Mosco, Idaho 83843. Working drawings and list of materials, 4 pages. Price: $ .25. Available in limited quantity from source.

89. SPANISH HANGING LAMP. 1971. AGDEX 781. David H. Bennett. Source: Collegiate chapter of FFA, Department of Agricultural Education, University of Idaho, Mosco, Idaho 83843. Ag. Shop project for decorative metal work. Working drawings and bill of materials, 7 pages. Price: $ .50. Available in limited quantity from source.

90. PICKUP TOOL BOX. 1971. AGDEX 781. Edwin Strong. Source: Collegiate Chapter of FFA, Dept. of Agricultural Education, University of Idaho, Mosco, Idaho 83843. Covered tool box to fit across front of pick-up, 4 pages. Working drawings and bill of materials. Price: $ .25. Available in limited quantity from source.

91. GAS WELDING TABLE. 1971. AGDEX 781. Haynes, McGraw, Hyatt. Source: Collegiate chapter of FFA, Dept. of Agricultural Education, University of Idaho, Mosco, Idaho 83843. Height adjustable by hydraulic pump. Working drawings and bill of materials, 9 pages. Price: $ .50. Available in limited quantity from source.

92. OXYACETYLENE WELDING AND CUTTING. VAS 3001a. Revised 1971. AGDEX 785. R. F. Espenschied. Source: Vocational Agriculture Service, University of Illinois, 434 Mumford Hall, Urbana, Illinois 61801. This 28-page subject-matter unit discusses oxyacetylene equipment needed for welding and cutting. Detailed instructions are given for fusion welding, hard-surfacing, cutting and bronze welding. Safety precautions are listed. Other fuel gases are compared with acetylene. Price: $ .35 postpaid when payment accompanies order. Available in quantity from source.

AGDEX 800 AGRICULTURAL ECONOMICS

93. FARM BUSINESS PLANNING AND ANALYSIS PROGRAM AND TEACHING UNITS. 1971. AGDEX 810. John T. Starling, Ph.D. and Paul Freeman. Source: Ohio Agricultural Education Curriculum Materials Service, Room 201, 2120 Fyffe Road, Columbus, Ohio 43210. A series of 41 teaching units for the three phases of the Farm Business Planning and Analysis program. The three phases are as follows. Phase I. Keeping complete farm business accounts, 14 units; Phase II. Summary and Analysis of Farm Business Records, 15 units; and Phase III. Planning and reorganizing the

farm business, 12 units. A ten page introductory unit is included. The materials are designed primarily for teacher use with farmers enrolled in the Farm Business Planning and Analysis program. They may be adapted for use with high school farm management courses. The materials are sold as a complete set. 373 pages. Price: $6.00. Available in quantity from source.

94. INTERPRETATION OF FARM BUSINESS ANALYSIS. 1971. AGDEX 810. Paul Freeman. Source: Ohio Agricultural Education Curriculum Materials Service, Room 201, 2120 Fyffe Road, Columbus, Ohio 43210. A series of 12 transparency masters from which transparencies may be made. A description is printed on the back of those illustrations needing additional explanation. Price: $1.00. Available in quantity from source.

95. STANDARDS FOR MEASURES OF EFFICIENCY, 1971. Revised 1972. AGDEX 810. J. H. Herbst. Source: Vocational Agriculture Service, University of Illinois, 434 Mumford Hall, Urbana, Illinois 61801. This 6-page item is made available each year to serve as a means of comparison for records of adult farmers and for enterprises in student's farming programs. Standards for physical measures are taken from the preceding year's results from farmers enrolled in the Illinois Farm Business Management Service. Current prices and costs are then applied to obtain income estimates. Price: Pack of 10, $ .60 when payment accompanies order. Available in quantity from source.

96. PARTIAL BUDGETS AND "BREAK-EVEN" PROBLEMS. Revised 1971. AGDEX 810. J. H. Herbst. Source: Vocational Agriculture Service, University of Illinois, 434 Mumford Hall, Urbana, Illinois 61801. This 8-page item provides information and practice problems for preparing four partial budgets for adding livestock or machinery to the farm business. The break-even problems help determine the number of acres at which machine ownership is more economical than hiring custom work. The key included with each pack of 10 problems shows the completed budgets and problem results. Price: $ .80 per pack of 10 problems and 1 key; extra forms at $ .40 per pack of 40 forms; postpaid when payment accompanies order. Available in quantity from source.

97. MARKETING AGRICULTURAL PRODUCTS. VAS 2016a. Revised 1971. AGDEX 844. R. W. Bartlett and J. H. Herbst. Source: Vocational Agriculture Service, University of Illinois, 434 Mumford Hall, Urbana, Illinois 61801. This 8-page subject-matter unit has the following subheadings: (1) What Factors Affect Market Supply and Demand? (2) What are the Various Marketing Functions? (3) Where Can I Get Marketing Information? and (4) What Can I Gain by a Knowledge of Marketing? Also included are some examples of the amount of labor needed to buy different food items in some other countries. Price: $ .10 postpaid when payment accompanies order. Available in quantity from source.

AGDEX 900 AGRICULTURAL OCCUPATIONS

Agricultural Work Experience program for youth with special needs. 1971. Theodore Shannon. Source: Ohio Agricultural Education Curriculum Materials Service, Room 201, 2120 Fyffe Road, Columbus, Ohio 43210. A series of short individual student manuals written in the language used by youth with special needs. The series is now under development with the following eight titles presently being available. Available in quantity from source.

98. DECIDING ON AND LOCATING YOUR KIND OF JOB, AWE 1. 1971. AGDEX 900/01. 15 pages. Looking at job possibilities, ways of finding out more about jobs, conducting self inventories. A combination student reference and

workbook. Contains samples of many forms the student will encounter when looking for a job. Price: $ .30.

99. GETTING YOUR JOB, AWE 2. 1971. AGDEX 900/05. 14 pages. Making application for Social Security, preparing a personal data sheet (résumé), filling out job application forms, and preparing for a job interview. A combination student reference and workbook. Contains samples of many forms the student will encounter when applying for a job. Price: $ .30.

100. SAVINGS AND CHECKING ACCOUNTS, AWE 3. 1971. AGDEX 900/10. 22 pages. Step by step procedure for opening and using checking and savings accounts with bank and savings accounts with savings and loan associations. A combination student reference and workbook. Provides the student with expereince in completing forms he will encounter at the bank or savings and loan association. Price: $.30.

101. CREDIT, AWE 4. 1971. AGDEX 900/11. 26 pages. Identifying sources of credit in the student's home community, applying for credit, using credit cards, reading credit statements. A look at the cost of credit. The student is provided with experience in completing the forms he will encounter in applying for credit. Price: $ .30.

102. KEEPING YOUR RECORDS STRAIGHT, AWE 5. 1971. AGDEX 900/10. 17 pages. The student is guided through a process of buying the materials needed to establish a filing system, getting his important papers together, and organizing them in a filing system. Suggestions for paying bills and keeping a monthly expense account are provided. Each step is illustrated. Price: $ .30.

103. BUDGETING AND SPENDING, AWE 6. 1971. AGDEX 900. 20 pages. Looking at money management, the procedures in developing a budget, suggestions for good spending. Sample budgets are provided with forms included for the student to prepare his own budget. Price: $ .30.

104. GETTING STARTED ON YOUR JOB, AWE 7. 1971. AGDEX 900/03. 30 pages. The steps to follow after getting the new job which include getting a physical examination, filling out the forms required by the employer and the government, getting instructions for job duties and job safety, getting the necessary clothing and equipment, joining the union, and getting along with people. A sample pay check and stub is illustrated with the many deductions being described. Price: $ .30.

105. TAKING CARE OF YOURSELF, AWE 8. 1972. AGDEX 900/65. Considers personal hygiene, outward appearance, health, and how to take care of yourself so that you are acceptable to your friends and associates. Price: $ .30.

106. SOURCE UNIT IN CAREERS IN AGRICULTURAL OCCUPATIONS. 1971. AGDEX 900/00. Roger R. Smith. Source: Vocational Education Department, Colorado State University, Ft. Collins, Colorado 80521. A teacher's guide to teaching agricultural careers with study guides, analysis and suggested forms. Price: $1.00. Available in limited quantity from source.

107. EDUCATION FOR AGRIBUSINESS EDUCATION, A GUIDE TO SECONDARY SCHOOL COURSE PLANNING AND TEACHING. 1971. AGDEX 900. David L. Williams. Source: Agricultural Education Division, University of Illinois, Urbana, Illinois 61801. This publication includes five resource units that focus upon human relations in agribusiness, communications in agribusiness, agricultural salesmanship, agricultural sales promotion and agribusiness operations. Each module is divided into areas of

instruction that includes a list of competencies to be developed, recommended references and suggested learning activities. Price: $1.00. Available in limited quantity from source.

108. MOTIVATION AND EDUCATION OF DISADVANTAGED PUPILS. 1970. AGDEX 900. A. P. Bell and Staff. Source: Department of Agricultural Education, North Carolina Agricultural & Technical State University, Greensboro, North Carolina 27411. Report of Institute for teachers of students with special needs, 187 pages. Available in limited quantity from source.

109. ADVANCED AGRICULTURE CURRICULUM GUIDES. CURRICULUM GUIDE FOR AGRICULTURAL SCIENCE I. CURRICULUM GUIDE FOR AGRICULTURAL SCIENCE II. 1971. AGDEX 900. Developed in teacher workshops. Source: Agricultural and Extension Education Department, University of Florida, 186 Norman Hall, Gainesville, Florida 32601. Curriculum guides for advanced agriculture contains content outline, teaching-learning activities and suggested references. Available in limited quantity from source. Free copy upon request to head teacher educators and state superintendents only.

110. A LIST OF IDEAS TO BE USED WITH SPECIAL NEEDS STUDENTS. 1971. AGDEX 900. Wilson Glenn Collins. Source: Instructional Materials Laboratory, Room 151, Taylor Education Bldg., University of Kentucky, Lexington, Kentucky 40506. A list of teaching techniques; ideas, etc. to be used when working with disadvantaged and handicapped students in vocational agriculture classes. Price: 1 copy free on request for State Directors of Agricultural Education.

111. A CURRICULUM GUIDE FOR CLASSES OF DISADVANTAGED STUDENTS IN AGRICULTURAL EDUCATION PROGRAMS, PM-16. 1971. AGDEX 900. John R. Crunkilton. Source: Agricultural Education, College of Education, Virginia Polytechnic Institute and State University, Blacksburg, Virginia 24061. A curriculum guide for use by teachers in developing a curriculum for classes of the disadvantaged. Price: Not for sale. Single copy available only to Head Teacher Educators and State Supervisor as long as supply lasts.

112. VOCATIONAL AGRICULTURE MATERIALS FOR STUDENTS WITH SPECIAL NEEDS. 1971. AGDEX 900. KSU Ag Ed Staff members. Source: K-State Book Store, Manhattan, Kansas 66502. Instructional materials for teachers of disadvantaged students in vocational agriculture. Price: $1.75. Available in quantity from source.

113. CURRICULUM GUIDE FOR AGRI-BUSINESS OCCUPATIONS IN MINNESOTA. 1971. AGDEX 900. Committee appointed by State Department of Education. Source: Vocational Materials Center, Area Vocational Technical School, Staples, Minnesota 56479. CORE related and technical lessons for students in placement employment programs and a handbook for operating placement employment programs. Price: $5.00. Available in quantity from source.

114. WHAT ARE THE AGRICULTURAL OCCUPATIONS - FIVE AREAS TO CONSIDER. 1970. AGDEX 900. Charles Wiggins, William Wakefield and others. Source: The State Education Department, Bureau of Agricultural Education, Albany, New York 12224. The purpose of the publication is to provide a brief glimpse of the employment opportunities of agricultural careers in farming, conservation, ornamental horticulture, agricultural mechanization and agricultural business. Price: No charge - one free copy on request. Available in limited quantity from source.

115. AGRICULTURAL CAREER EXPERIENCE. 1971. AGDEX 900/00. Larry Erpelding. Source: K-State Book Store, Manhattan, Kansas 66502. A guide for intro-

ducing and conducting agricultural career experience programs. Price: $1.75. Available in quantity from source.

116. AGRICULTURAL OCCUPATIONS COOPERATIVE WORK EXPERIENCE PROGRAMS. 1971. AGDEX 900. W. H. Hamilton and others. Source: Agricultural Education Dept., Purdue University, Lafayette, Indiana 47907. Information concerning cooperative work experience programs and a series of lesson units for use in a related class. Available in limited quantity from source.

117. "WHAT IS AGRICULTURE?" 1971. AGDEX 900/06. Department of Agricultural Education - Fargo Public Schools, N. D. State Board for Vocational Education. (Exemplary Project.) Source: Department of Agricultural Education, North Dakota State University, Fargo, North Dakota 58102. Price: Cost of reproduction, about $15.00. Could be reproduced, not commercially available. Set of 70 slides plus script.

118. INSTRUCTIONAL MATERIALS FOR V. A. III PRODUCTION AGRICULTURE, #2003. 1971. AGDEX 910. Vocational Agriculture Teachers and Center Staff members. Source: Vocational Instructional Services, F. E. Box 182, Texas A & M University, College Station, Texas 77843. Contains 567 pages of technical information, including 350 illustrations for transparency masters. Includes information in Animal Science, Plant Science, Soil Science, Agricultural Mechanics, and Agricultural Management for the third-year course in production agriculture. Price: $20.00. Available in quantity from source.

119. COURSE OF STUDY FOR CROP FARM EMPLOYEE, #33. 1971. AGDEX 912. Lester Buford, Chester Boyd, Ernest Holman, and Milburn Wink. Source: Vocational Instructional Services, F.E. Box 182, Texas A & M University, College Station, Texas 77843. Designed for the Cooperative Part-Time Training student employed on a farm. Contains assignment sheets, information sheets, answers to assignment sheets, topic tests, and answers to topic tests. Color-coded. Price: $8.75. Available in quantity from source. Other references are required for effective student use.

Agricultural Supplies, Business, and Service, Related Class Units. 1971. Harry Plank and Harlan Ridenour. Source: Ohio Agricultural Education, Curriculum Materials Service, Room 201, 2120 Fyffe Road, Columbus, Ohio 43210. A series of seven student manuals containing a total of 476 pages designed for the agricultural business and service related class. The student manuals are accompanied by a general teacher's guide and a teacher's guide for each of the student manuals containing a total of 157 pages.

The student manuals are designed to provide the student with basic information needed in all the agricultural businesses. Provision is made for the student to work out practical exercises to provide him with experience in conjunction with his occupational experience program.

Each student in the class should have his individual copy of the student manual. The instructor must have a single copy of the general teacher's guide and the teacher's guide for each of the student manuals used.

Available in quantity from source. The Teacher's Guides and Student Manuals have the following titles:

120. TEACHER'S GUIDE: AGRICULTURAL SUPPLIES, BUSINESS, AND SERVICE. AGDEX 920. 10 pages. The course of study for the related class work is described. Price: $ .30.

121. STUDENT MANUAL: OPPORTUNITIES IN AGRICULTURAL OCCUPATIONS AND THE EMPLOYEE WITHIN THE BUSINESS ORGANIZATION. AGDEX 920. 68 pages. The areas of study are as follows: Considering Jobs in Agricultural Business; Reasons for on the Job Training; Applying for a Job; Wage Scales and

Payroll Deductions; Why We Have Business Organization; Capitalism and the Free Enterprise System; Organizational Patterns; and the Division of Responsibility. Price: $ .80.

122. TEACHER'S GUIDE: OPPORTUNITIES IN AGRICULTURAL OCCUPATIONS AND THE EMPLOYEE WITHIN THE BUSINESS ORGANIZATION. AGDEX 920. 20 pages. Lists suggested references, answers to student exercises, and sample examinations. Price: $ .50.

123. STUDENT MANUAL: HUMAN RELATIONS IN BUSINESS. AGDEX 900/60. 70 pages. The areas of study are as follows: Individual Personality; Relations with Fellow Workers; Relations with Superiors; Accepting Responsibility; Relations with Customers; and Effective Use of the Telephone. Price: $ .85.

124. TEACHER'S GUIDE: HUMAN RELATIONS IN BUSINESS. AGDEX 900/60. 14 pages. Lists suggested references,answers to student exercises, and situations for role playing in the class. Price: $ .40.

125. STUDENT MANUAL: ADVERTISING AND PROMOTION. AGDEX 920/40. 34 pages. The areas of study are as follows: The Purpose of Advertising; The Cost of Advertising; What Makes Good Advertising; and An Advertising Calendar and Budget. Price: $ .60.

126. TEACHER'S GUIDE: ADVERTISING AND PROMOTION. AGDEX 920/40. 11 pages. Lists suggested references, answers to student exercises, and sample examinations. Price: $ .30.

127. STUDENT MANUAL: MARKETING AGRICULTURAL PRODUCTS. AGDEX 920. 75 pages. The areas of study are as follows: Marketing Agricultural Products; Transportation; Storage of Grain; and Contracts and Leasing. Price: $1.10.

128. TEACHER'S GUIDE: MARKETING AGRICULTURAL PRODUCTS. AGDEX 920. 22 pages. Lists suggested references, answers to student exercises, and examinations. Price: $ .60.

129. STUDENT MANUAL: BUSINESS MONEY MANAGEMENT. AGDEX 920. 96 pages. The areas of study are as follows: Taxes, Income tax, Real Estate Tax, Personal Property Tax; Insurance, Motor Vehicle Insurance, Public Liability Insurance, Hospital Insurance, Life Insurance, Fire, Wind, Hail Insurance, Health and Accident Insurance, Workman's Compensation, Credit Life Insurance, and Social Security; and Credit and Interest Charges, Credit Business, Net Worth and Financial Statements, Bank Credit, Interest Charges, and the Credit Policy of One Company. Price: $1.75.

130. TEACHER'S GUIDE: BUSINESS MONEY MANAGEMENT. AGDEX 920. 30 pages. Lists suggested references, answers to student exercises, and examinations. Price: $ .80.

131. STUDENT MANUAL: SELLING AND SALESMANSHIP. AGDEX 920. 32 pages. The areas of study are as follows: What is Good Selling; What Do We Have To Sell; Successful in Your Occupation; The Actual Sales Transaction, The Lost Sale; and Class Demonstration on Sales. Price: $ .60.

132. TEACHER'S GUIDE: SELLING AND SALESMANSHIP. AGDEX 920. 11 pages. Lists suggested references, answers to student's exercises, and examinations. Price: $ .30.

133. STUDENT MANUAL: BUSINESS PROCEDURES AND RECORDS. AGDEX 920. 101 pages. The areas of study are as follows: Billing Merchandise to Customers, Handling Money and Pricing Merchandise; and Inventory Control and Depreciation. Price: $1.30.

134. TEACHER'S GUIDE: BUSINESS PROCEDURES AND RECORDS. AGDEX 920. 41 pages. Lists suggested references, answers to student exercises, and examinations. Price: $ .95.

Price: The teacher's guides and student manuals may be purchased individually at the price indicated with the description of each publication or complete sets may be purchased at the slightly reduced prices as follows:

Complete set of 8 Teacher's Guides, 157 pages	$3.50
Complete set of 7 Student Manuals, 476 pages	$6.00

135. CAREER OPPORTUNITIES IN AGRICULTURE SALES AND SERVICE (Specialized Curriculum: Resource Unit Number One). 1971. AGDEX 920/00. Staff. Source: Department of Agricultural Education, University of Arizona, Tucson, Arizona. Available in limited quantity from source.

136. AGRICULTURAL BUSINESS PROCEDURES. VAS 6004. 1972. AGDEX 920. E. E. Trotter and J. H. Herbst. Source: Vocational Agriculture Service, University of Illinois, 434 Mumford Hall, Urbana, Illinois 61801. This 32-page subject-matter unit discusses agricultural business procedures and the use of forms and statements. Subheadings include: (1) Ordering and Receiving Merchandise; (2) Determining Selling Price; (3) Using Credit in an Agricultural Business; (4) Making the Sales Ticket; (5) Taking the Inventory; (6) Developing Financial Statements Needed for Proper Management; and (7) Operating on a Contract Basis. Price: $ .40 postpaid when payment accompanies order. Available in quantity from source.

137. MERCHANDISING SKILLS (Specialized Curriculum: Resource Unit Number Five). 1971. AGDEX 920/10. Source: Department of Agricultural Education, University of Arizona, Tucson, Arizona. Available in limited quantity from source.

138. ORGANIZATION OF AGRICULTURE BUSINESSES (Specialized Curriculum: Resource Unit Number Three). 1971. AGDEX 920/20. Source: Department of Agricultural Education, University of Arizona, Tucson, Arizona. Available in limited quantity from source.

139. SALESMANSHIP AND SELLING (Specialized Curriculum: Resource Unit Number Six). 1971. AGDEX 920/30. Staff. Source: Department of Agricultural Education, University of Arizona, Tucson, Arizona. Available in limited quantity from source.

140. SALES AND SERVICE AUDIO-VISUAL MATERIALS LISTING - AGRICULTURE. 1971. AGDEX 920/30. Wilson Glenn Collins. Source: Instructional Materials Laboratory, Room 151, Taylor Education Building, University of Kentucky, Lexington, Kentucky 40506. Title is self-descriptive. Price: 1 copy free on request for State Directors of Agricultural Education. (Not for sale.)

141. SALESMANSHIP IN AGRICULTURAL BUSINESS, Slidefilm 391. 1971. AGDEX 920/30. J. H. Herbst and E. E. Trotter. Source: Vocational Agriculture Service, University of Illinois, 434 Mumford Hall, Urbana, Illinois 61801. This is a 58-frame slidefilm, in color. Topics include: (1) Some Opportunities in Agricultural Business; (2) The Salesman's Role in Our Economy; (3) Personal Qualities That Are Important; (4) What a Salesman Must Know to Perform His Job; (5) Opening a Sales Interview; (6) Handling Objections Raised by a Prospect; and (7) Closing a Sale.

Price: $3.35 postpaid when payment accompanies order. Available in quantity from source.

142. HUMAN RELATIONS (Specialized Curriculum: Resource Unit Number Four). 1971. AGDEX 920/60. Staff. Source: Department of Agricultural Education, University of Arizona, Tucson, Arizona. Available in limited quantity from source.

143. HUMAN RELATIONS IN AGRICULTURAL BUSINESS. VAS 6003. 1971. AGDEX 920/60. E. E. Trotter and J. H. Herbst. Source: Vocational Agriculture Service, University of Illinois, 434 Mumford Hall, Urbana, Illinois 61801. This 12-page subject-matter unit discusses improving personal appearance, communicating effectively, improving personality, using proper etiquette, getting along with others in the business, and pleasing the customer. Price: $ .15 postpaid when payment accompanies order. Available in quantity from source.

144. THE GARDEN CENTER WORKER. 1971. AGDEX 951. Charles E. Urbanic. Source: Ohio Agricultural Education Curriculum Materials Service, Room 201, 2120 Fyffe Road, Columbus, Ohio 43210. A student study manual designed for the student placed in a garden center for occupational work experience and for the student who plans to prepare for working in a garden center. The manual presents theories and principles as well as practical exercises to enable the student to apply his knowledge. The material covered includes a description of garden center operations, garden center business practices, selling and salesmanship, identification and characteristics of ornamental plants, care of plants in the garden center, chemicals, and garden supplies and related products. 140 pages. Price: $2.35. Available in quantity from source.

145. THE NURSERY WORKER, PART I. 1971. AGDEX 954. Charles E. Urbanic. Source: Ohio Agricultural Education Curriculum Materials Service, Room 201, 2120 Fyffe Road, Columbus, Ohio 43210. Part I of two parts. A student reference which provides basic information required by nursery workers. Part I contains the following sections: Introduction to the Nursery Industry; Soils; Identification and Characteristics of Ornamental Plants; Plant Growth and Plant Nutrients. Each section lists the behaviorial objectives that are developed within the section. 148 pages. Price: $2.10. Available in quantity from source.

146. THE NURSERY WORKER, PART II. 1971. AGDEX 954. Charles E. Urbanic. Source: Ohio Agricultural Education Curriculum Materials Service, Room 201, 2120 Fyffe Road, Columbus, Ohio 43210. Part II of two parts. A student reference dealing with practices performed by nursery workers. Part II contains the following: Methods of Plant Propagation; Nursery Field Practices; Controlling Pests; Marketing Nursery Stock; and Keeping Records and Accounts. Each section lists the behavioral objectives that are developed within the section. 180 pages. Price: $2.10. Available in quantity from source.

147. NURSERY PRODUCTION. Student Handbook, Teacher Education Series, Vol. 12, No. 4s. 1971. AGDEX 954. R. F. Stinson, et al. Source: Department of Agricultural Education, The Pennsylvania State University, University Park, Pennsylvania. A well illustrated student handbook on all aspects of nursery production to be used with class at the high school or vo-tech school level. Price: $2.50. Available in quantity from source.

148. NURSERY PRODUCTION. Teacher's Manual, Teacher Education Series, Vol. 12, No. 4t. 1971. AGDEX 954. R. F. Stinson, et al. Source: Department of Agricultural Education, The Pennsylvania State University, University Park, Pennsylvania. Teacher's manual to be used with student handbook. Contains all subject matter included in student handbook, plus teaching suggestions, objectives, and references. Price: $3.00. Available in quantity from source.

149. CAREER EXPERIENCES IN CONSERVATION. 1971. AGDEX 960. Lyle L. Wicks and William Lindley. Source: Instructional Materials Service, 201 Stone Hall, Cornell University, Ithaca, New York 14850. Slide Series and taped script. Designed for use by teachers and guidance personnel to provide an overview of learning opportunities provided in the study of Conservation. Forestry, Wild Life Management, Outdoor Recreation, Soil and Water Management and Conservation Mechanics are considered. Price: 52 slides and script $10.50, tape, $4.00. Available in quantity from source.

150. OUTDOOR RECREATION AND APPLIED ECOLOGY. 1971. AGDEX 960. C. D. Bryant, Travis E. Hendren and Teachers. Source: Agricultural Education Section, State Department of Public Instruction, Raleigh, North Carolina. A Teacher's Guide of instructional units and program specifications. Available in limited quantity from source.

151. COMMUNITY POLLUTION, HS-95A. 1971. AGDEX 960. Wilson Glenn Collins. Source: Instructional Materials Laboratory, Room 151, Taylor Education Bldg., University of Kentucky, Lexington, Kentucky 40506. An instructional unit for teacher use. The unit includes objectives, transparency masters, and content for teacher use in developing lesson plans in the Community Pollution phase of Agricultural Resource management. Price: 1 copy free on request for State Directors of Agricultural Education.

AGDEX .10 - .60 PROFESSIONAL

152. A FIVE YEAR PLAN FOR A DEPARTMENT OF VOCATIONAL AGRICULTURE. 1970. AGDEX .10/30. Ralph J. Woodin. Source: Department of Agricultural Education, The Ohio State University, Room 203, 2120 Fyffe Rd., Columbus, Ohio 43210. Price: Single copy free.

153. ADVISORY COUNCILS FOR EDUCATION - A HANDBOOK. 1971. AGDEX .10/31. Richard K. Hofstrand and Lloyd J. Phipps. Source: Rurban Educational Development Laboratory; Division of Agricultural Education; 338 Education Building; University of Illinois, Urbana, Illinois 61801. This 48-page booklet answers basic questions on developing and using citizens advisory councils or committees for education. The booklet also contains an extensive appendix of forms and documents which are useful in establishing and utilizing advisory groups. Price: $ .50 per copy. Available in quantity from source.

154. SELECTING, ORGANIZING, AND USING ADVISORY COMMITTEES IN VOCATIONAL AGRICULTURE, 1970. AGDEX .10/31. Ralph J. Woodin. Source: Department of Agricultural Education, The Ohio State University, Room 203, 2120 Fyffe Road, Columbus, Ohio 43210. Price: Single copy free.

155. APPRAISING THE VOCATIONAL AGRICULTURE PROGRAM, 1970. AGDEX .10/33. Ralph J. Woodin. Source: Department of Agricultural Education, The Ohio State University, Room 203, 2120 Fyffe Road, Columbus, Ohio 43210. Price: Single copy free. Available in limited quantity from source.

156. ORIENTATION TO TRAINING PROGRAMS (Specialized Curriculum: Resource Unit Number Two). 1971. AGDEX .30. Staff. Source: Department of Agricultural Education, University of Arizona, Tucson, Arizona. Available in limited quantity from source.

157. OPPORTUNITIES IN AGRICULTURE. 1971. AGDEX .30/10. Marty Thornton and Robert W. Walker. Source: Vocational Agriculture Service, University of Illinois,

434 Mumford Hall, Urbana, Illinois 61801. This kit, intended primarily for pre-high school students, contains a 48-frame, color filmstrip depicting career opportunities in agriculture, a 10-minute taped narration, a teacher's guide, and 25 copies of a student brochure entitled "We want You." Tape is available either in reel or cassette form. When ordering, specify which. Price: $6.25 postpaid when payment accompanies order. Available in quantity from source.

158. A TEACHING UNIT ON CAREERS IN AGRICULTURE AND OPPORTUNITIES IN TEACHING VOCATIONAL AGRICULTURE. 1970. AGDEX .30/20. Ralph J. Woodin. Source: Department of Agricultural Education, The Ohio State University, Room 203, 2120 Fyffe Road, Columbus, Ohio 43210. Price: Single copy free.

159. COOPERATIVE EDUCATION IN VOCATIONAL AGRICULTURE. 1971. AGDEX .30/30. C. C. Scarborough, C. L. Keels and Teachers. Source: Agricultural Education Department, 510 Poe Hall, N. C. State University, Raleigh, North Carolina. A guide to teachers of agriculture and others interested in adding the cooperative approach to the vocational agriculture program. Available in limited quantity from source.

160. BASIC CORE CURRICULUM FOR VOCATIONAL AGRICULTURE II. 1971. AGDEX .30/30. Curriculum and Instructional Material Center, Bob Patton Curriculum Specialists. Source: Curriculum and Instructional Materials Center, State Department of Vocational and Technical Education, Stillwater, Oklahoma. Units of instruction have been developed to cover 60 percent of an agriculture teacher's time in teaching basic information in the following areas: Agricultural Chemicals, Plant and Soil Science, Animal Science, Supervised Farm Training, Leadership, and Agricultural Mechanics. Each unit of instruction includes behavioral objectives, suggested activities for instructors and students, information sheets, assignment sheets, job sheets, tests, answers to tests, and transparency masters. Price: $10.00. Available in quantity from source.

161. BASIC CORE CURRICULUM FOR VOCATIONAL AGRICULTURE I. Revised 1971. AGDEX .30/30. Curriculum and Instructional Materials Center, Bob Patton Curriculum Specialists. Source: Curriculum and Instructional Materials Center, State Department of Vocational and Technical Education, Stillwater, Oklahoma. Units of instruction have been developed to cover 60 percent of an agriculture teacher's time in teaching basic information in the following areas: Orientation and Careers, Leadership, Supervised Farm Training, Animal Science, Plant Science, and Agricultural Mechanics. Each unit of instruction includes behavioral objectives, suggested activities for instructors and students, information sheets, assignment sheets, job sheets, tests, answers to tests, and transparency masters. Price: $10.00. Available in quantity from source.

162. SAMPLE POLICY STATEMENT FOR THE OPERATION OF AN AGRICULTURAL SCHOOL LAND LABORATORY. 1971. AGDEX..40. Dr. I. C. Cross. Source: Vocational Education Department, Colorado State University, Ft. Collins, Colorado 80521. A suggested policy statement developed from a study of school land laboratories conducted by R. L. Britton, Voc. Ag. Instructor, Bennett High School, Bennett, Colorado. Price: $1.00. Available in limited quantity from source.

LATE ARRIVALS:

The following materials were received after the manuscript was prepared for printing.

163. COMMON WESTERN RANGE PLANTS. 1971. AGDEX 130. John Stechman. Source: Vocational Education Productions, Calif. State Polytechnic College, San Luis Obispo, 93401. Fully illustrated book of 165 pages. Chapters include: Nature of Rangeland, Structure and Naming of Range Plants, Range Plant Value, Range Grasses, Range Legumes, Range Forbs, Poisonous Range Plants, Shrubs and Trees. Chapters

dealing with specific types of plants are illustrated with drawings of representative species. Price: Soft Cover, $3.95; Hard Cover , $5.95. Available in quantity from source.

164. BUDDING AND GRAFTING. 1971. AGDEX 200/24. Steven C. LaMarine and Paul Fountain. Source: Vocational Education Productions, Calif. State Polytechnic College, San Luis Obispo, Calif. 93401. Sound Filmstrip, 61 frames, color. Illustrates principles of budding and grafting fruit trees using cleft grafting, bark grafting, T-budding and patch budding. Step by step close-up photos enable student to duplicate procedures. Narration on reel tape or cassettes (Norelco style) with no price change. Entire production reproduced in black and white script manual for individual study or use with manual equipment. Price: $7.50. Available in quantity from source.

165. BEEF CATTLE BODY TYPES. 1971. AGDEX 420/40. Source: Vocational Education Productions, Calif. State Polytechnic College, San Luis Obispo, Calif. 93401. Color slide set (33 slides) with 30-minute taped narration. Many composite views comparing body types 1, 3, and 5, including some cross section views of frozen steers in standing position. Others include views of animals as feeder calves and market steers. Tape is unrehearsed candid comments by two Cal Poly faculty members who supervised the project and by a commercial feed-lot operator. All California vo-ag departments received a copy of this kit through the courtesy of the Bank of America. Price: $13.00. Available in quantity from source.

166. GRADING EGGS FOR QUALITY (Revised Etition). 1971. AGDEX 451/844. Steven C. LaMarine and Roland Pautz. Source: Vocational Education Productions, Calif. State Polytechnic College, San Luis Obispo 93401. Sound Filmstrip, Color, 60-frames; A completely revised and up-dated version of an earlier VEP production of the same title. Conforms to latest information available on subject of shell egg quality from USDA. Price: $7.50. Purchase price includes illustrated script manual which may be used for individual study by students. (Price of manual alone is $ .50.) Available in quantity from source.

167. TECHNIQUES IN LAND PREPARATION (Part I and II). 1971. AGDEX 510. Steven C. LaMarine with Gordon Van de Vanter as tech. advisor. Source: Vocational Education Productions, Calif. State Polytechnic College, San Luis Obispo, Calif. 93401. Sound Filmstrip, color, in two parts. Part One, "Seedbed Preparation," 68-frames; describes equipment used, techniques necessary for row crop bed preparation. Especially valuable is segment of diagrams showing correct patterns for discing fields. Part Two, "Bed Maintenance," 50-frames covers reasons and methods for pre-irrigation, weed control on listed beds, fertilizing, etc. Price: $15.00. Available in quantity from source.

168. AGRICULTURAL WEED IDENTIFICATION AND CONTROL. 1971. AGDEX 640. Steven C. LaMarine with George Gowgani as tech. advisor. Source: Vocational Education Productions, Calif. State Polytechnic College, San Luis Obispo, Calif. 93401. Color Filmstrip (sound); 53 frames; "Weed Control" Slide Set; 40 slides, ten common species. Filmstrip gives relevant information of subject of weed control; i. e., basic categories of weeds, types of control, etc. Species covered in slide set are: bermuda grass, johnson grass, alkali mallow, buckhorn plantain, lamb's - quarters, napa thistle, whitetop, wild oat, and yellow oxalis, and may weed. Price: $7.50 (f/s only) $8.50 (slide set only). Available in quantity from source.

169. ECOLOGY AND AGRICULTURE. 1971. AGDEX 900. Steven C. LaMarine. Source: Vocational Education Productions, Calif. State Polytechnic College, San Luis Obispo, Calif. 93401. Multi-media kit, consisting of five sound filmstrips (color), overhead transparencies and masters, 60-page illustrated manual, additional reference pamphlets. Filmstrip titles: Ecology, Soil, Air, Water, and People, average length is

48 frames. Good medal winner at the International Film and TV Festival of New York, Oct. 1971. Recommended for use by many state departments of ag education and professional conservationists. Price: $40.00. Available in quantity from source.